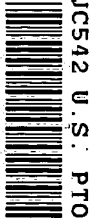


05/26/98



Box 29
PATENT
Docket No. 2026-4116US2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Bukh, et al. Group Art Unit: To Be Assigned
Serial No. : To Be Assigned Examiner: To Be Assigned
Filed : May 26, 1998
For : NUCLEOTIDE AND DEDUCED AMINO ACID SEQUENCES OF
THE ENVELOPE 1 AND CORE GENES OF ISOLATES OF
HEPATITIS C VIRUS AND THE USE OF REAGENTS DERIVED
FROM THESE SEQUENCES IN DIAGNOSTIC METHODS AND
VACCINES

EXPRESS MAIL CERTIFICATE

Express Mail Label No.: EI443365741US

Date of Deposit: May 26, 1998

I hereby certify that the following attached paper(s) and/or fee

1. Utility Application Fee Transmittal (1.53(b))
2. Copy of Patent Application (including 253 pages of specification with 162pages Sequence Listing; 10 pages of claims, 1 page of abstract and 89 pages of drawings) and Check for \$3060.00;
3. Copy of Combined Declaration and Power of Attorney;
4. Copy of Associate Power of Attorney;
5. Transmittal Remarks;
6. 1 computer disk containing Sequence Listing;
7. Statement Under 37 C.F.R. §1.821(f);
8. Information Disclosure Statement
9. Information Disclosure Citation - PTO Form 1449; and
10. Return Postcard.

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to: **BOX: PATENT APPLICATION**, Assistant Commissioner for Patents, Washington, D.C. 20231.

(Typed or printed name of person mailing paper(s) and/or fee)

(Signature of person mailing paper(s) and/or fee)

Correspondence Address:

MORGAN & FINNEGAN, L.L.P.
345 Park Avenue
New York, New York 10154
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(212) 751-6849 Facsimile

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY APPLICATION AND FEE TRANSMITTAL (1.53(b))

ASSISTANT COMMISSIONER FOR PATENTS
Box Patent Application
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

First named Inventor

or Application Identifier: Jens Bukh, 5805 Sonoma Road, Maryland 20817
Roger H. Miller, 15504 White Willow Lane, Rockville, Maryland 20853
Robert H. Purcell, 17517 White Grounds Road, Boyds, Maryland 20841

For: NUCLEOTIDE AND DEDUCED AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS AND THE USE OF REAGENTS
DERIVED FROM THESE SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES

Enclosed are:

[X] 253 page(s) of specification, including 162 pages of Sequence Listing, 1 page(s) of Abstract,
10 page(s) of claims

[X] 89 sheets of drawing [] formal [X] informal

[X] 2 page(s) of Declaration and Power of Attorney

[] Unsigned

[] Newly Executed

[X] Copy from prior application

[] Deletion of inventors including Signed Statement under 37 C.F.R. § 1.63(d)(2)

[X] Incorporation by Reference: The entire disclosure of the prior application, from which a copy of the combined declaration and power of attorney is supplied herein, is considered as being part of the disclosure of the accompanying application and is incorporated herein by reference.

[] Microfiche Computer Program (Appendix)

[X] 162 page(s) of Sequence Listing

[X] computer readable disk containing Sequence Listing

[X] Statement under 37 C.F.R. § 1.821(f) that computer and paper copies of the Sequence Listing are the same

[] Certified copy of Priority Document(s)

[] English translation documents

09084691 052699

- ☒ Information Disclosure Statement
- ☐ Copy of ___ cited references
- ☐ Preliminary Amendment
- ☒ Return receipt postcard (MPEP 503)
- ☒ Assignment Papers (assignment cover sheet and assignment documents)
- ☐ A check in the amount of \$40.00 for recording the Assignment.
- ☒ Assignment papers filed in parent application Serial No. 08/290,665.
- ☐ Certification of chain of title pursuant to 37 C.F.R. § 3.73(b).
- ☒ This is a ☐ continuation ☒ divisional ☐ continuation-in-part (C-I-P) of prior application serial no. 08/290,665.
- ☒ Cancel in this application original claims 21-31 of the parent application before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
- ☐ A Preliminary Amendment is enclosed. (Claims added by this Amendment have been properly numbered consecutively beginning with the number following the highest numbered original claim in the prior application.
- ☒ The status of the parent application is as follows:
- ☐ A Petition For Extension of Time and a Fee therefor has been or is being filed in the parent application to extend the term for action in the parent application until _____.
- ☐ A copy of the Petition for Extension of Time in the co-pending parent application is attached.
- ☒ No Petition For Extension of Time and Fee therefor are necessary in the co-pending parent application.
- ☐ Please abandon the parent application at a time while the parent application is pending or at a time when the petition for extension of time in that application is granted and while this application is pending has been granted a filing date, so as to make this application co-pending.
- ☐ Transfer the drawing(s) from the parent application to this application.
- ☒ Amend the specification by inserting before the first line the sentence:
This is a ☐ continuation ☒ divisional ☐ continuation-in-part of co-pending application Serial No. 08/290,665 filed August 15, 1994; which is a continuation-in-part of application Serial No. 08/086,428 filed on June 29, 1993, now U.S. Patent No. 5,514,539.

I. CALCULATION OF APPLICATION FEE

					Basic Fee
Number Filed		Number Extra		Rate	\$ 790.00
Total					
Claims	55	-20=	35	x	\$22.00
Independent					\$ 770.00
Claims	18	- 3=	15	x	\$82.00
Multiple Dependent Claims					\$1230.00
[X] yes					Additional fee = \$270.00
[] no					Additional fee = NONE
Total:					\$3060.00

- [] A statement claiming small entity status is attached or has been filed in the above-identified parent application and its benefit under 37 C.F.R. § 1.28(a) is hereby claimed. Reduced fees under 37 C.F.R. § 1.9(F) (50% of total) paid herewith \$_____.
- [X] A check in the amount of \$_____ in payment of the application filing fees is attached.
- [] Charge Fee(s) to Deposit Account No. 13-4500. Order No._____. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.
- [X] The Assistant Commissioner is hereby authorized to charge any additional fees which may be required for filing this application, or credit any overpayment to Deposit Account No. 13-4500 Order No. 2026-4116US2. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,

MORGAN & FINNEGAN, L.L.P.

Dated: May 26, 1998

By: Richard W. Bork
Richard W. Bork
Registration No. 36,459

CORRESPONDENCE ADDRESS:

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FORM: UTL-TRAN.NY
Rev. 1/16/98

Applicant(s) :	Bukh, et al.	Group Art Unit :	To Be Assigned
Serial No. :	To Be Assigned	Examiner :	To Be Assigned
Filed :	May 26, 1998		
For :	<p>NUCLEOTIDE AND DEDUCED AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND CORE GENES OF ISOLATES OF HEPATITIS C VIRUS AND THE USE OF REAGENTS DERIVED FROM THESE SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES</p>		

TRANSMITTAL REMARKS

This paper is submitted to inform the Examiner of certain minor changes that have been made to the copy of the specification of parent application number 08/290,665 submitted herewith.

In particular, the claim to priority on page 1 of the application and the prior and current application data in the Sequence Listing have been updated. In addition, the number "585" at the end of the last line of SEQ ID NO:154 in the Sequence Listing has been changed to "573".

These changes are believed to be ministerial in nature and do not therefore result in the introduction of new matter into the specification.

The Commissioner is hereby authorize to charge any fees which may be required for this paper or credit any overpayment to deposit account number 13-4500, order number 2026-4116US2. A DUPLICATE OF THIS SHEET IS ATTACHED.

Early and favorable action by the Examiner is earnestly solicited.

Respectfully submitted,

MORGAN & FINNEGAN, L.L.P.

Dated: May 26, 1998

By: Richard W. Bork
Richard W. Bork
Registration No. 36,459

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